

Camera trap work of Amur tiger in China

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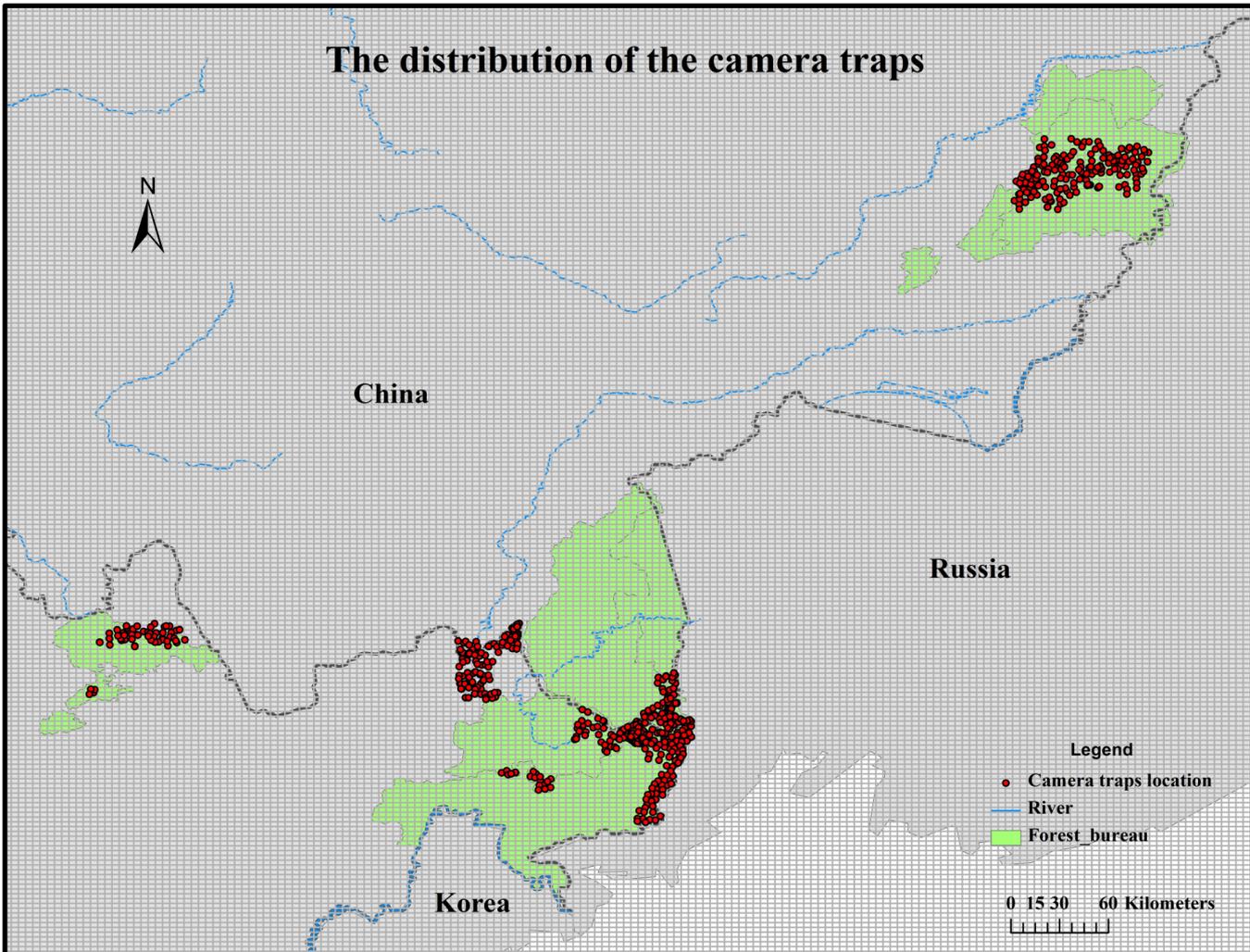


Outline:

1. Camera trap distribution
2. Results of individual identification
3. Summary



1. Camera trap distribution



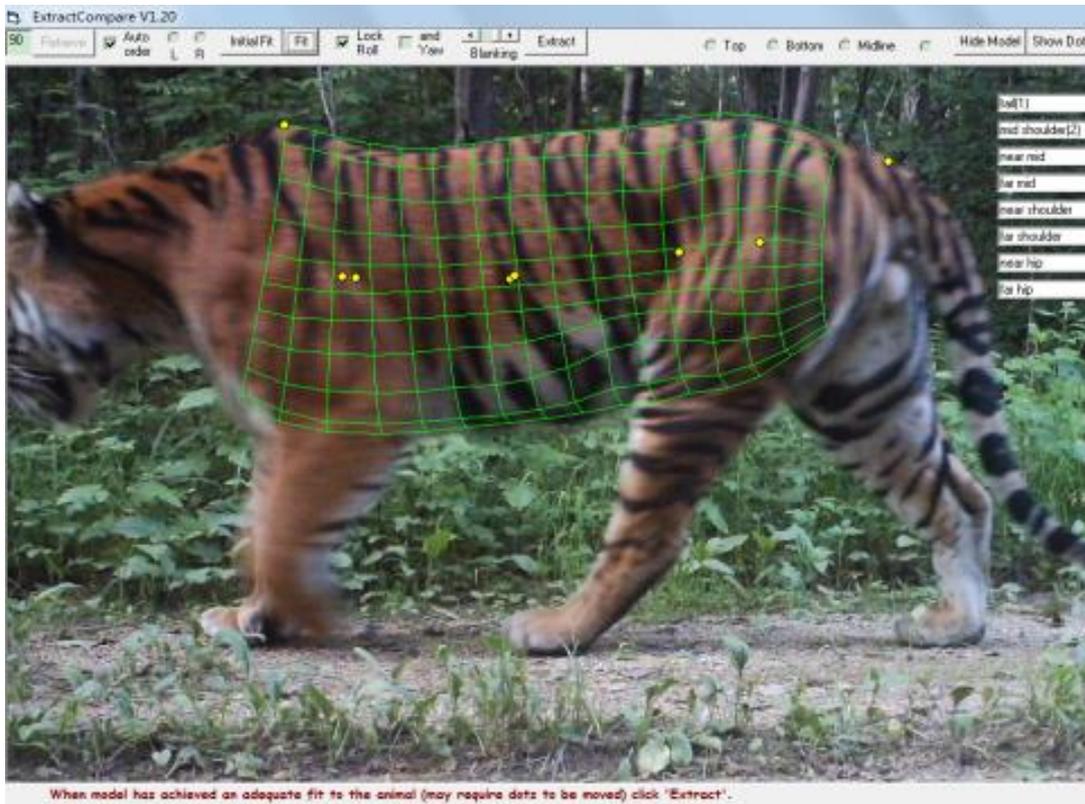
The total area monitored by camera traps were about 2900km².

With a density of 1 camera trap location in each 10km² and 2 cameras in each camera trap location.

The camera traps were checked up every 3 months.

2. Results of individual identification

- Individual identification



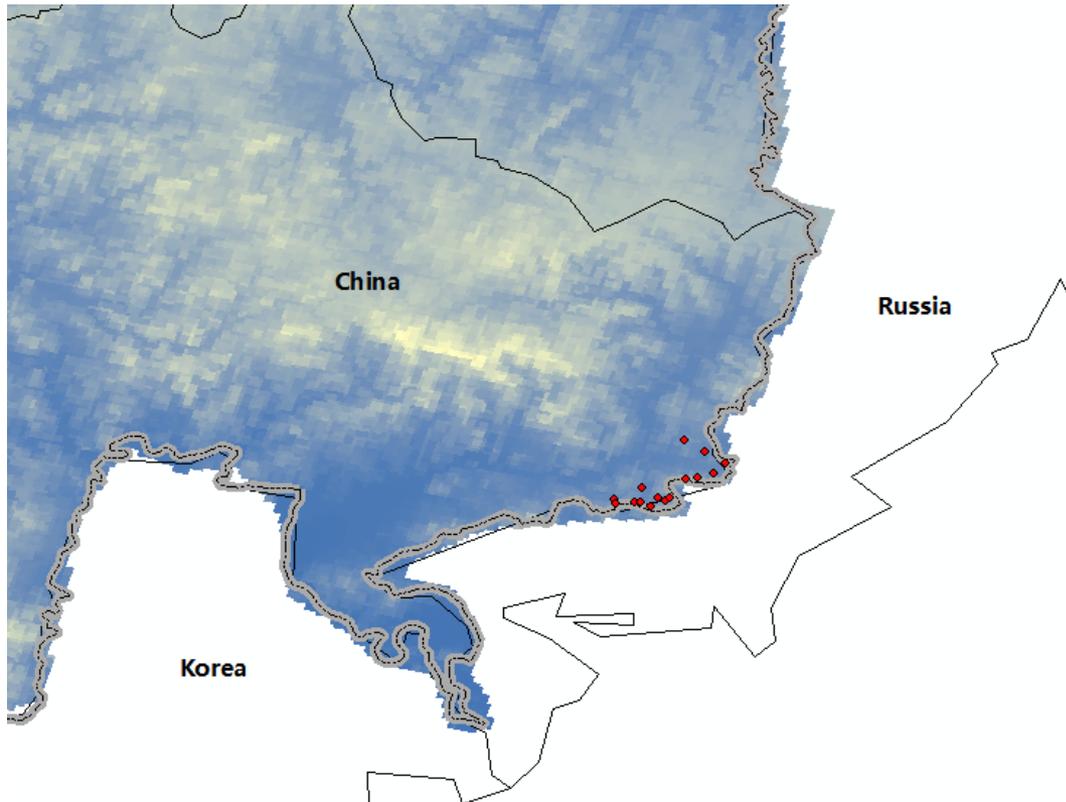
Extract compare software

+

Artificial identification
from experienced experts

2. Results of individual identification

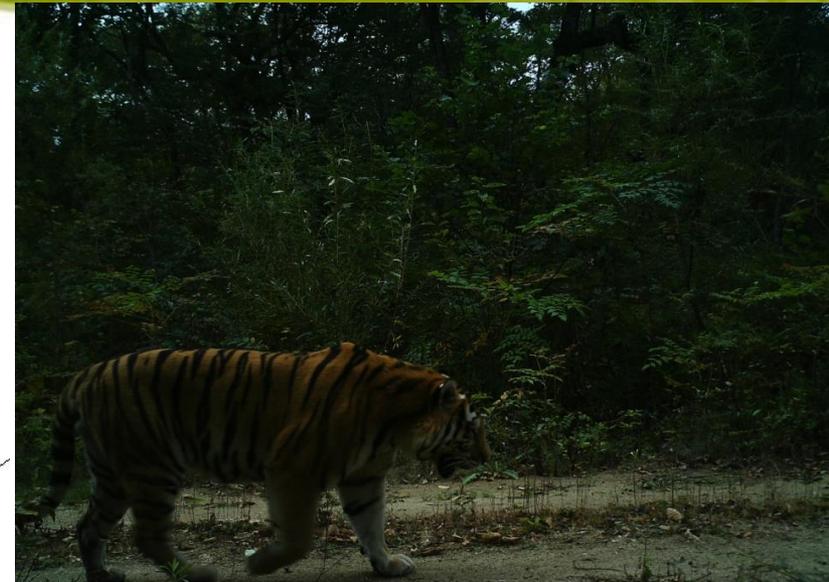
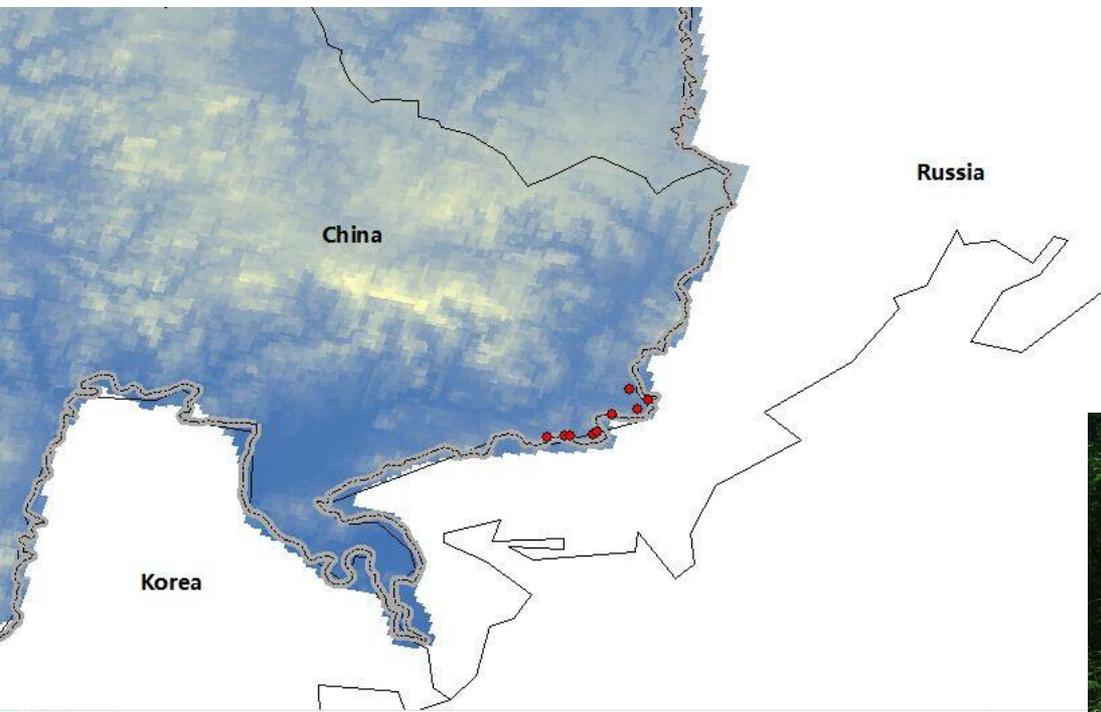
Female 1



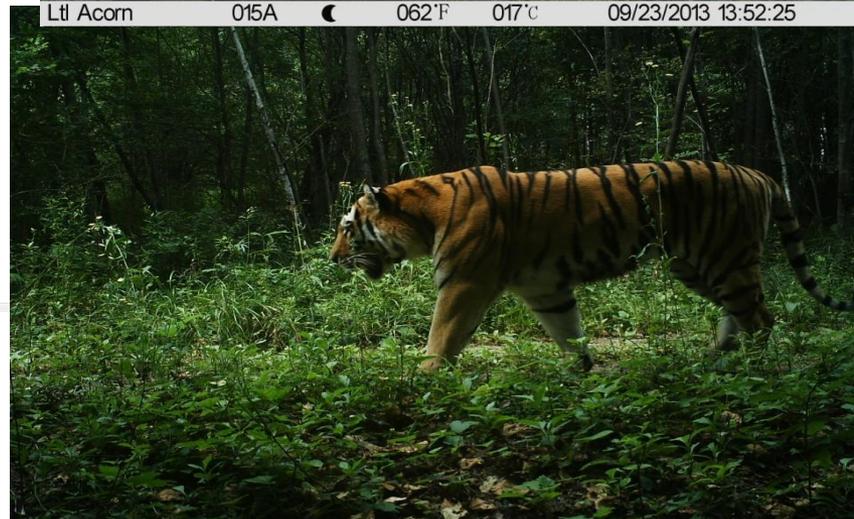
Ltl Acorn C16A ● 000°F - 018°C 03/23/2013 06:14:31

2. Results of individual identification

Male 2



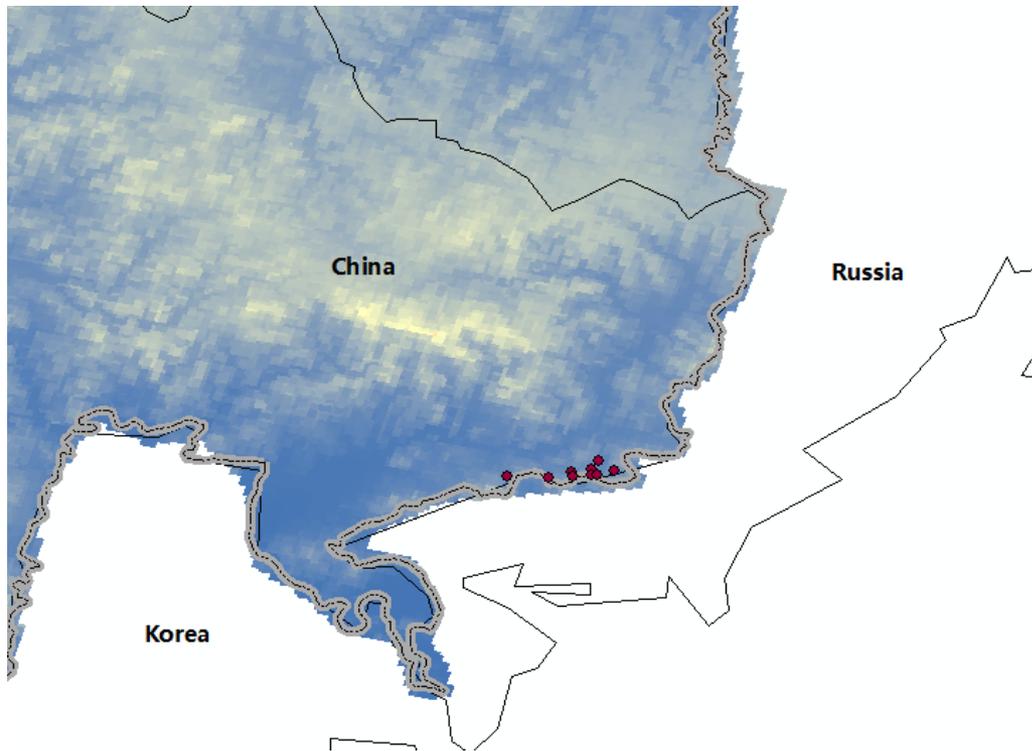
Ltl Acorn 015A ☾ 062°F 017°C 09/23/2013 13:52:25



Ltl Acorn 013A ● 077°F 025°C 08/19/2013 05:07:59

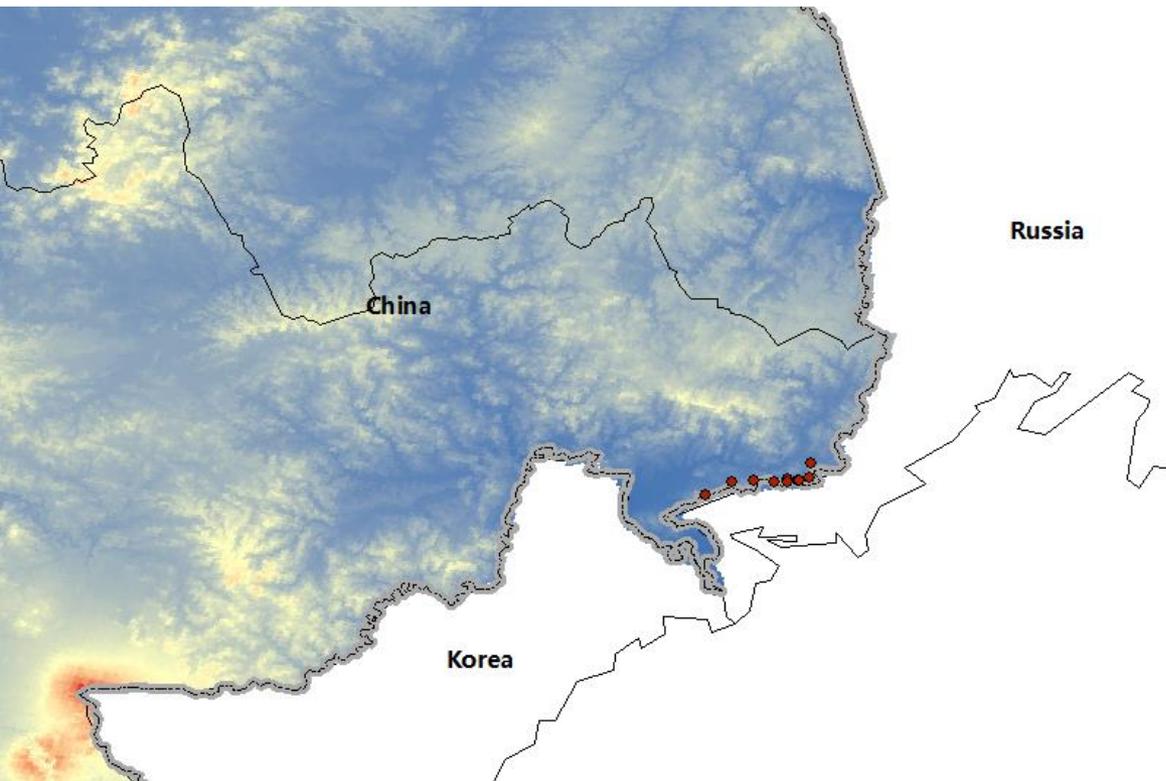
2. Results of individual identification

Female 3 and Cub 19



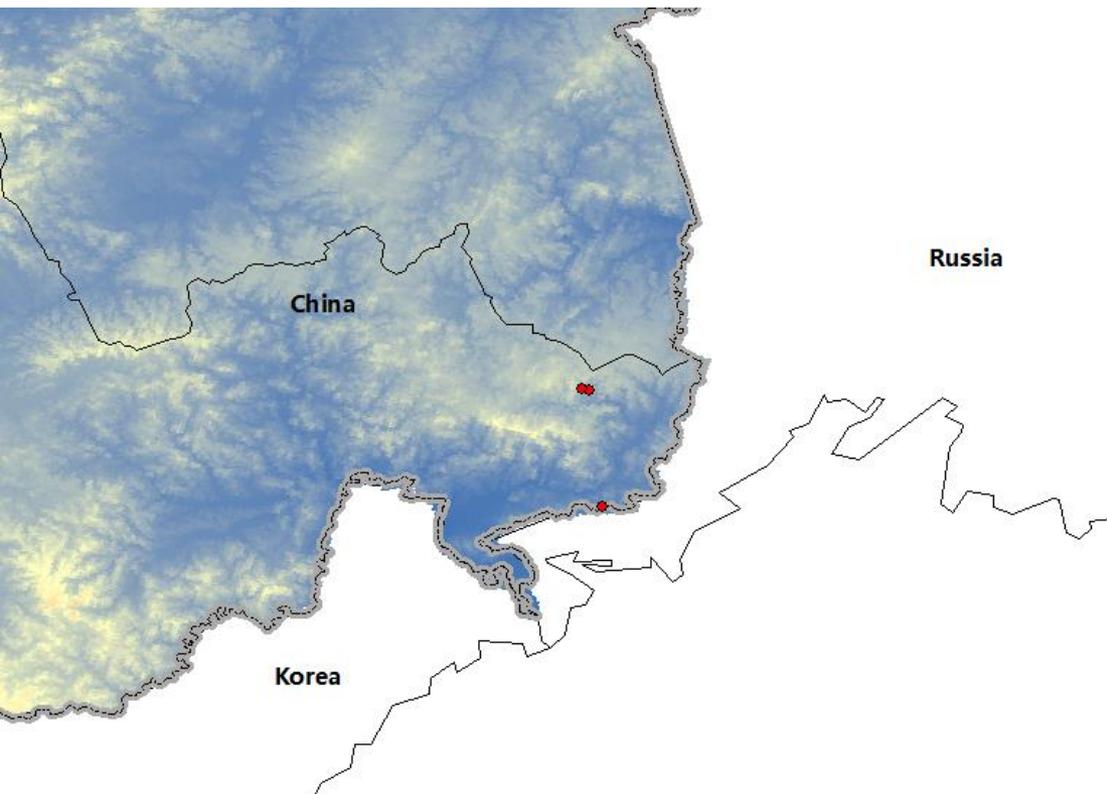
2. Results of individual identification

Female 4



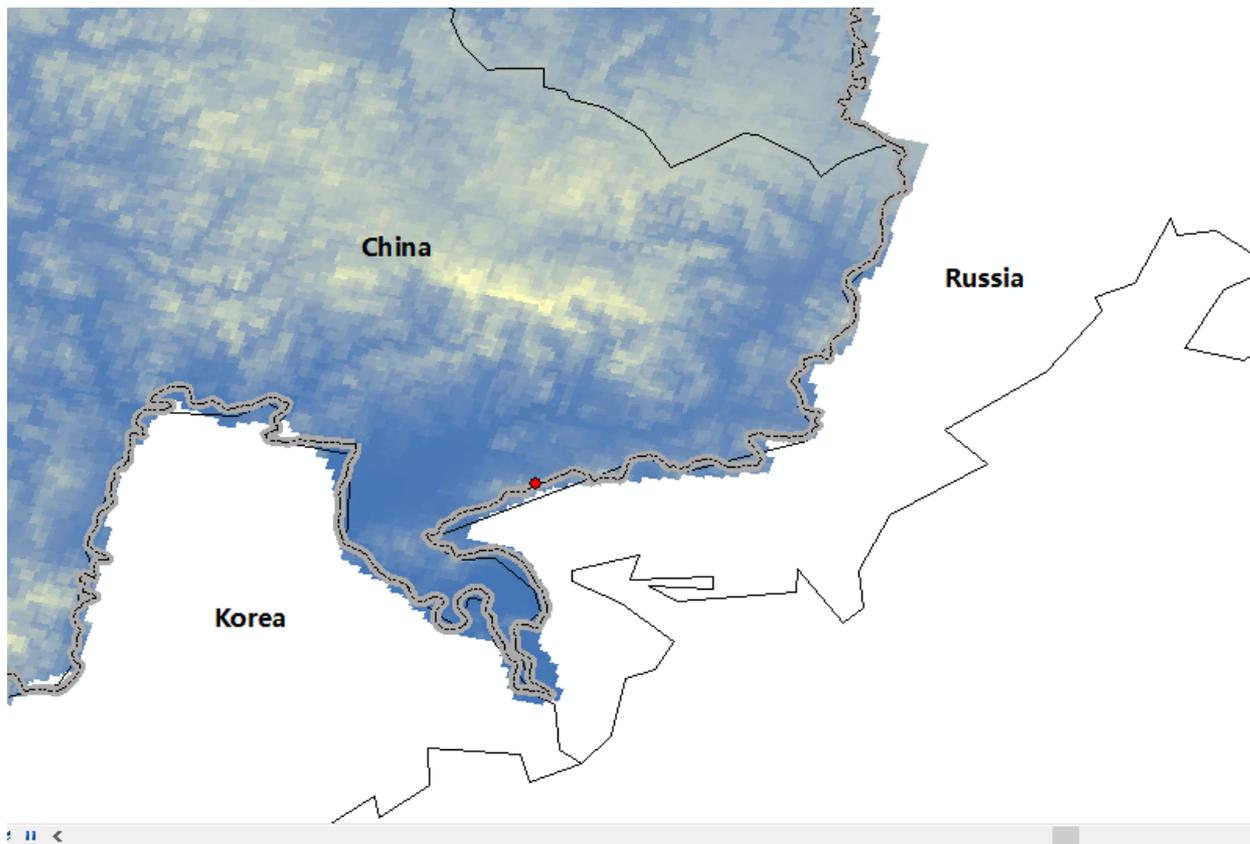
2. Results of individual identification

Female 5 and Cub 20,21



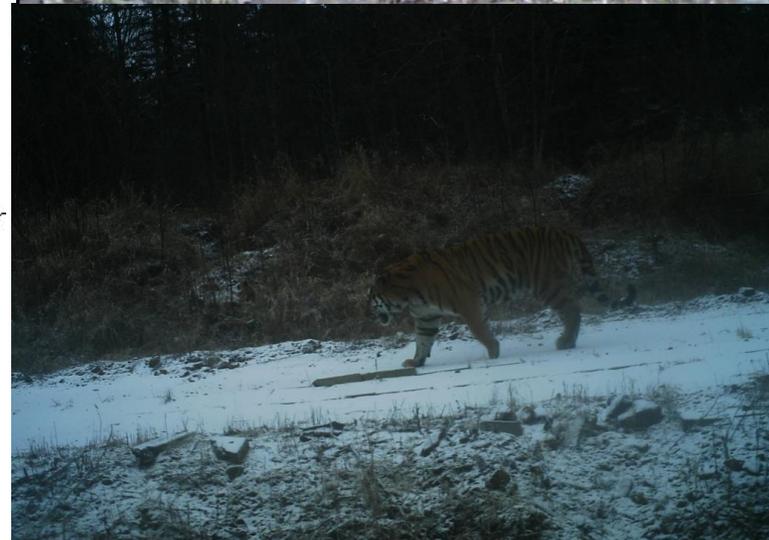
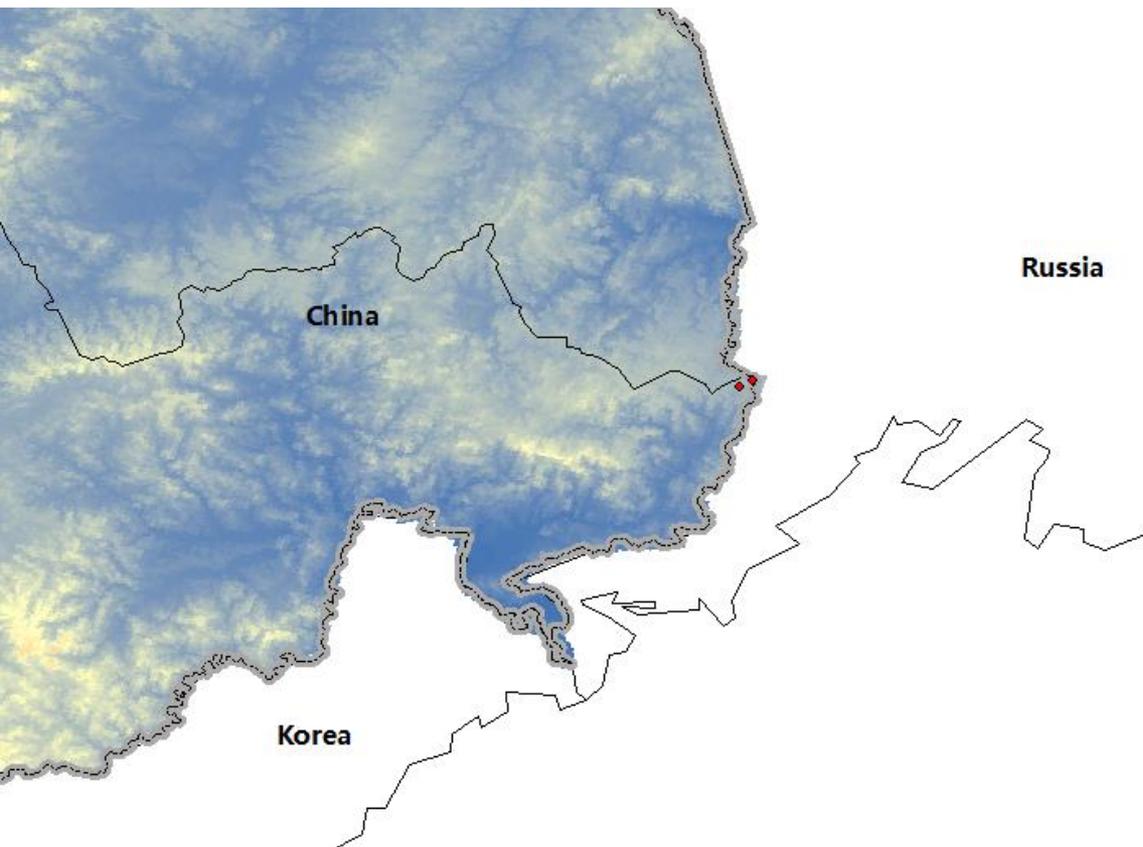
2. Results of individual identification

Female 6 and cub14,18



2. Results of individual identification

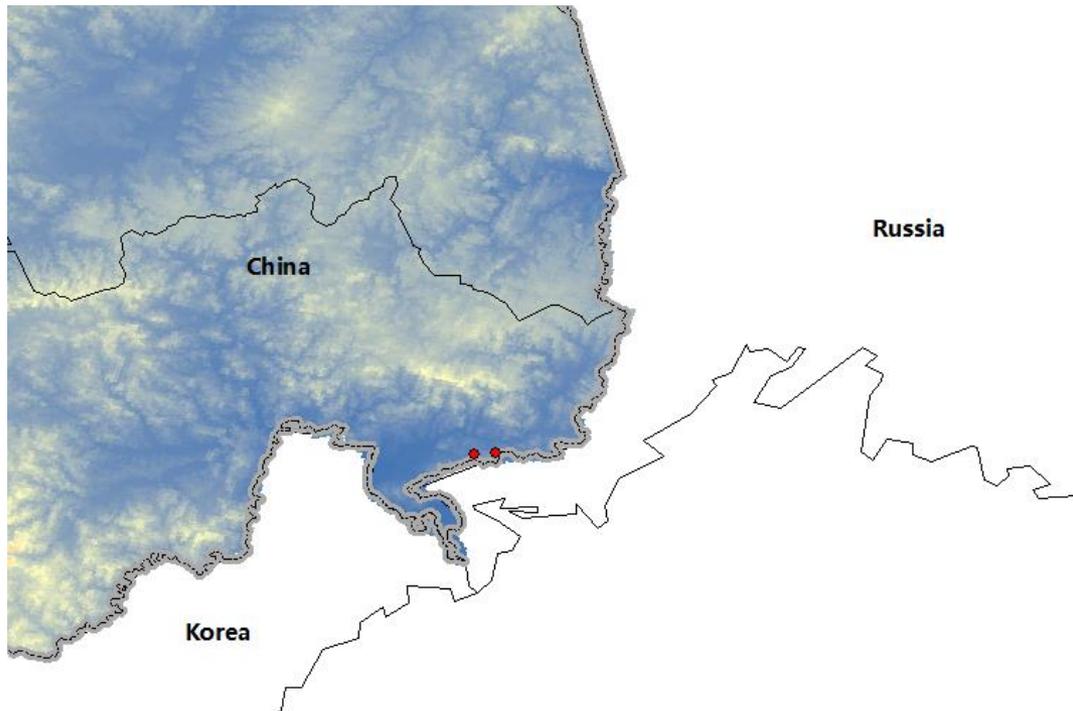
Male 7



Ltl Acorn 0037 ● 031°F - 001°C 11/17/2013 07:59:27

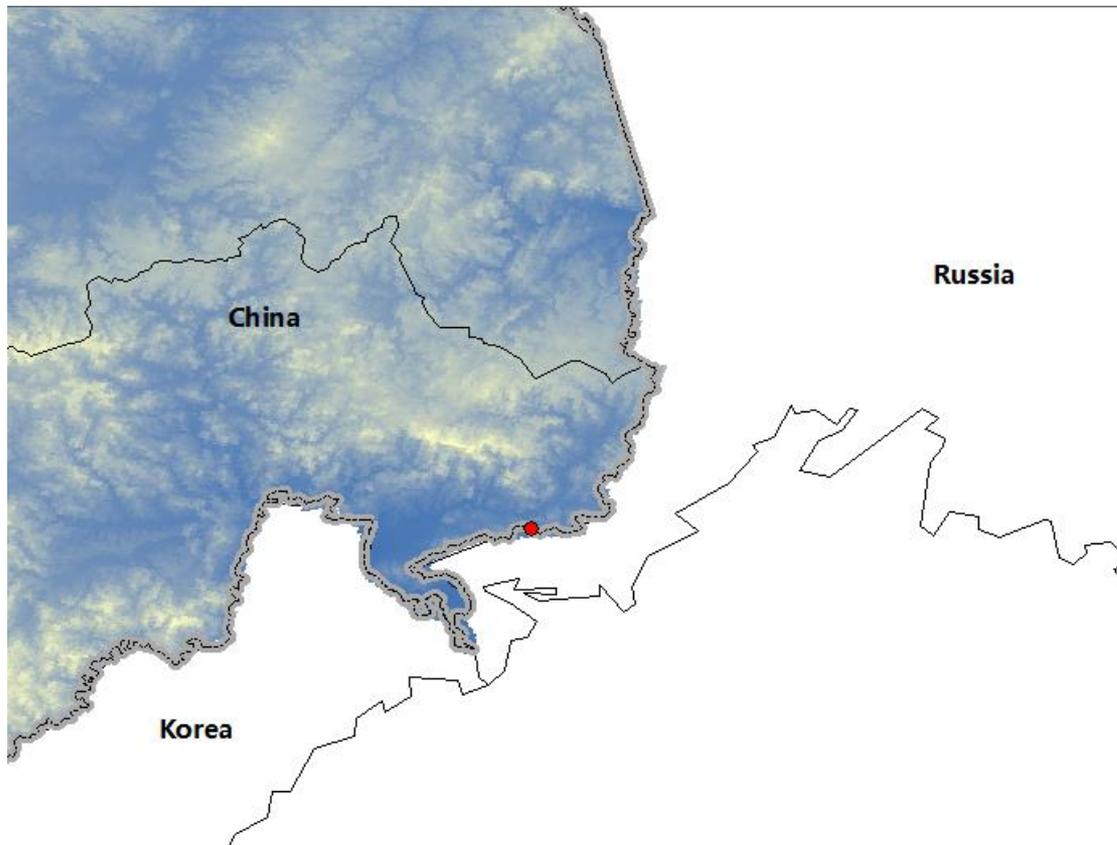
2. Results of individual identification

Female 8



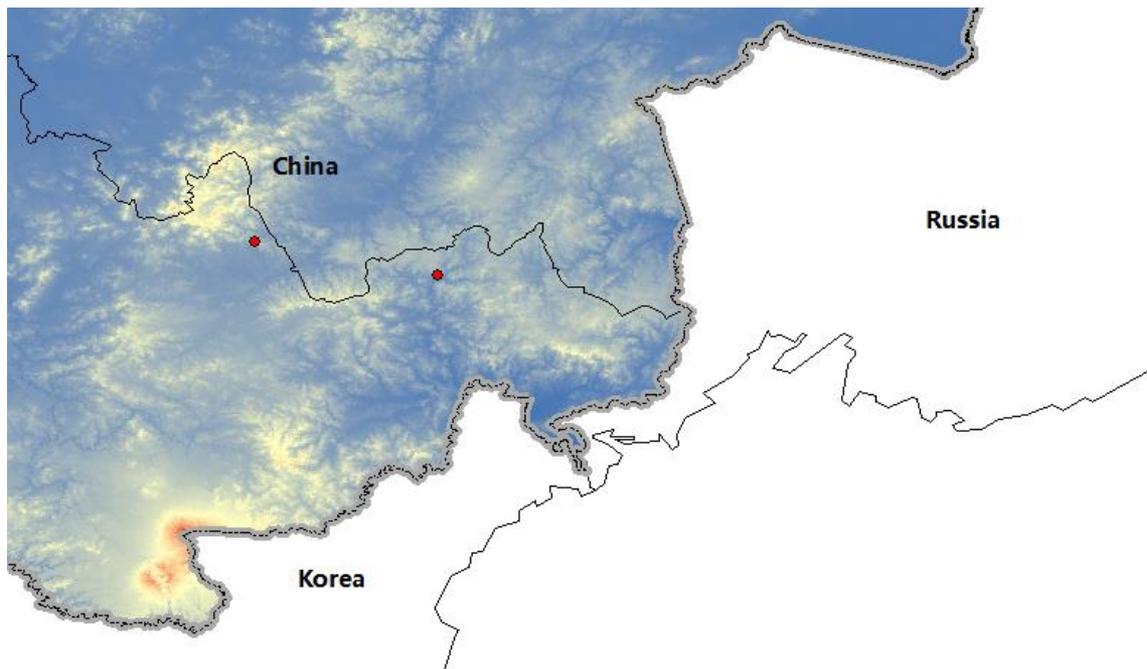
2. Results of individual identification

Individual 9



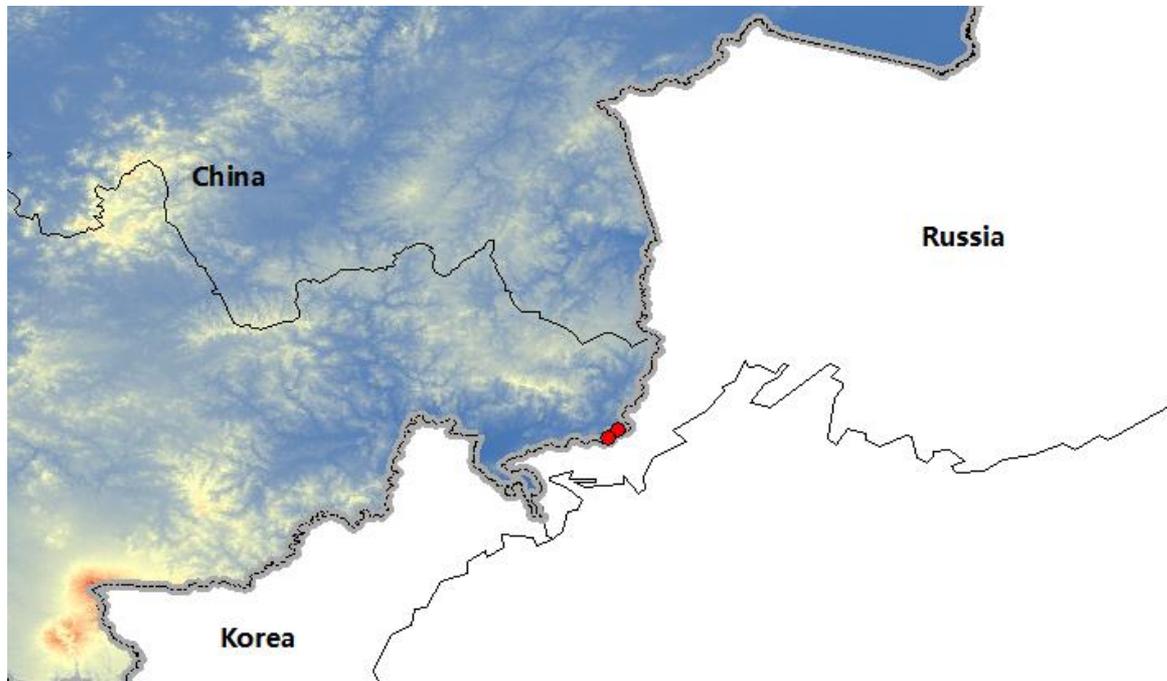
2. Results of individual identification

Male 10



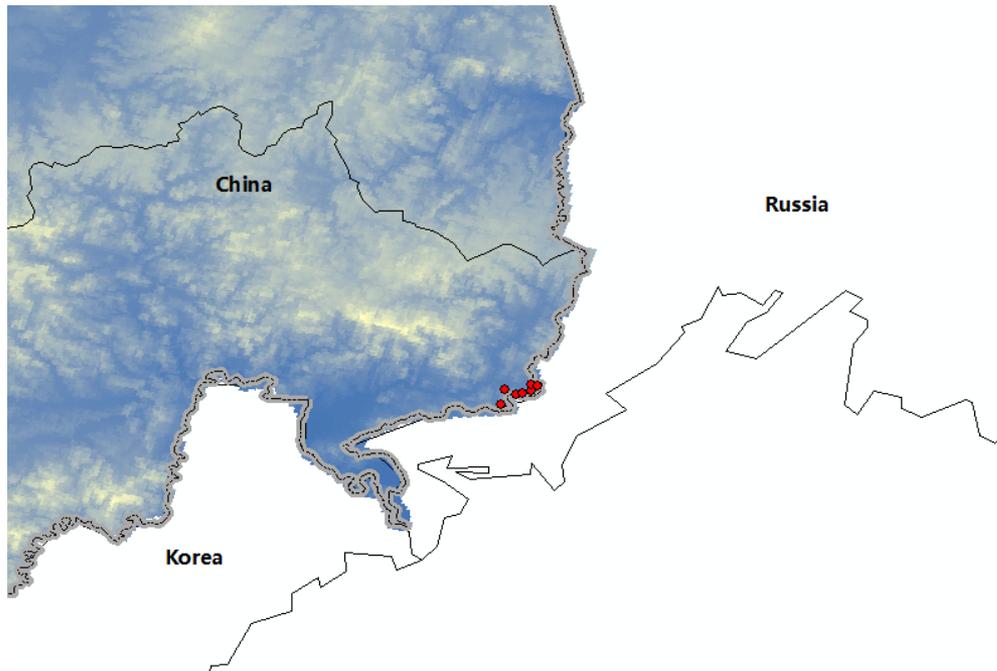
2. Results of individual identification

Male 11(with female 1)



2. Results of individual identification

Female 12



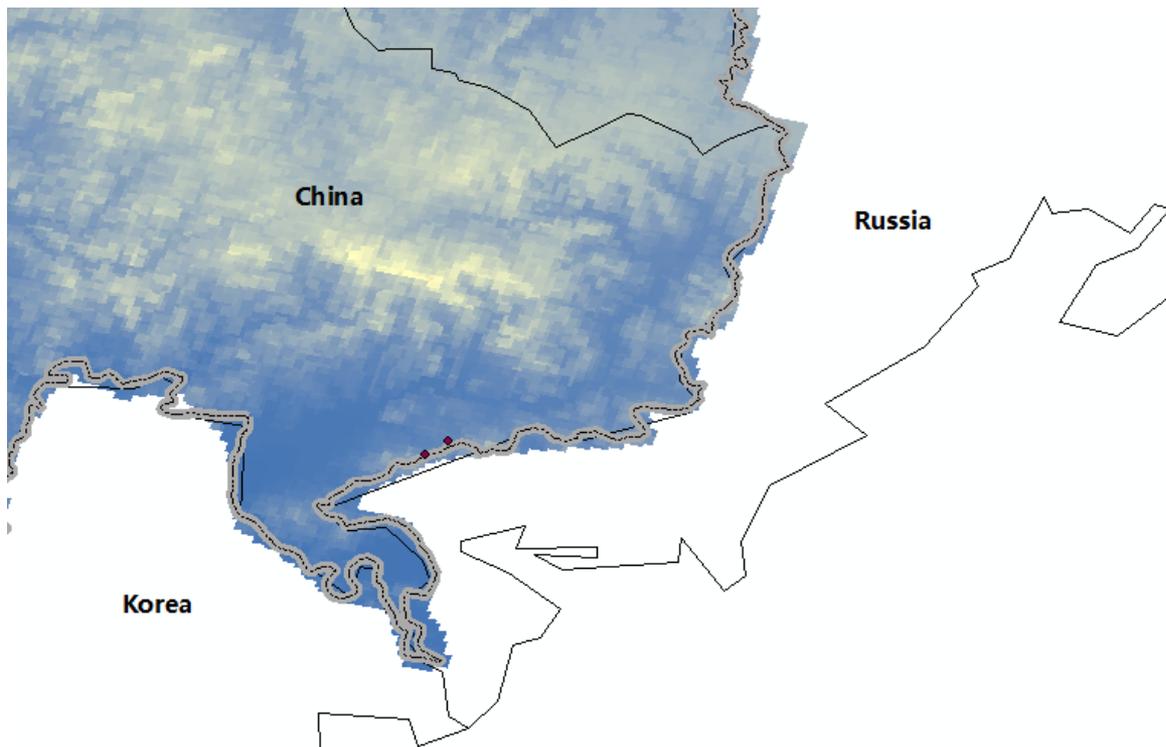
Lti Acorn 6650 071° 022' 08/26/2014 13:14:15



07/27/2014 03:26:14

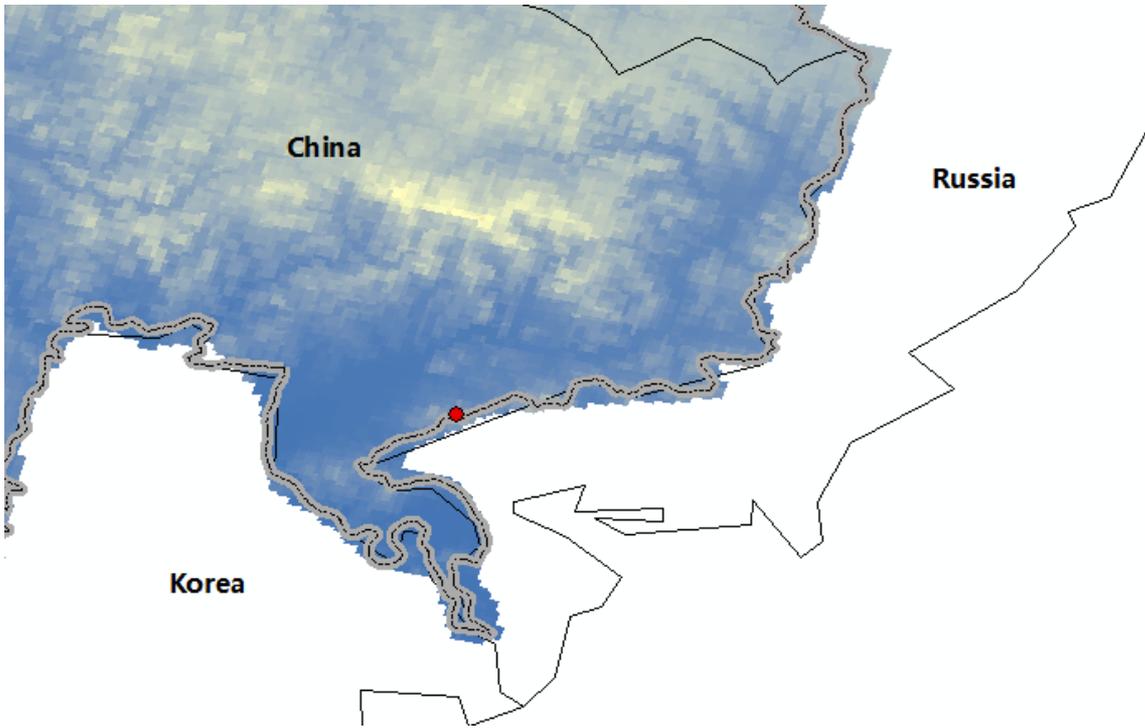
2. Results of individual identification

Male 13



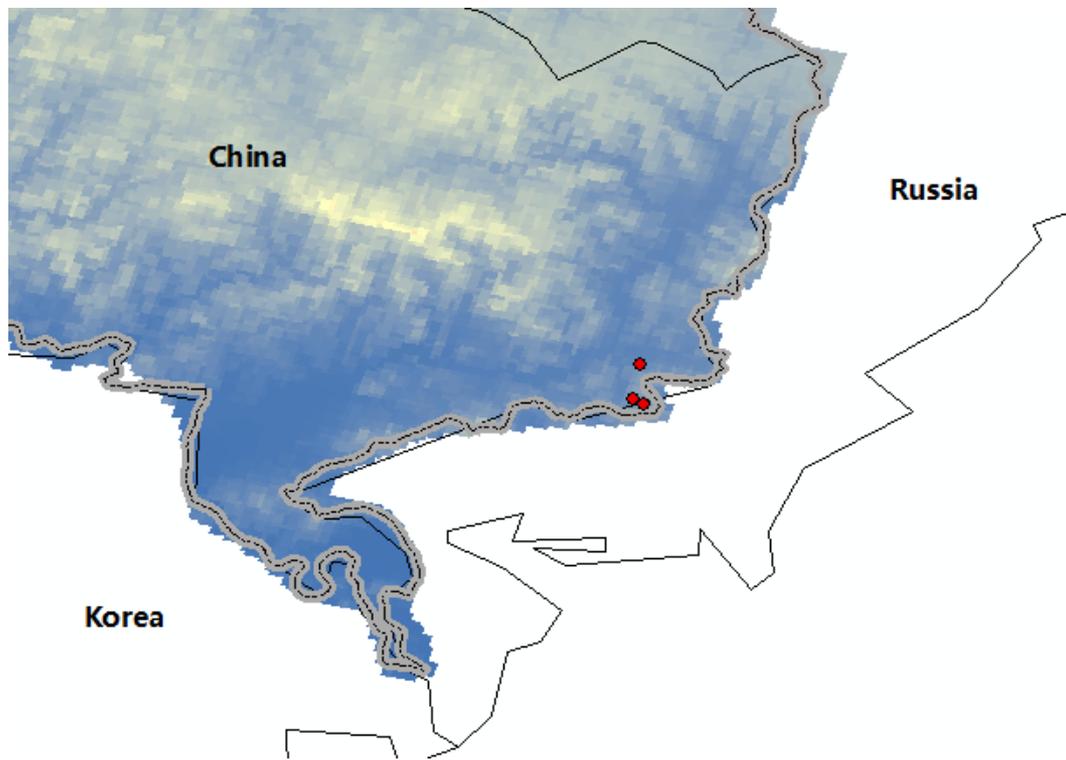
2. Results of individual identification

Male 15



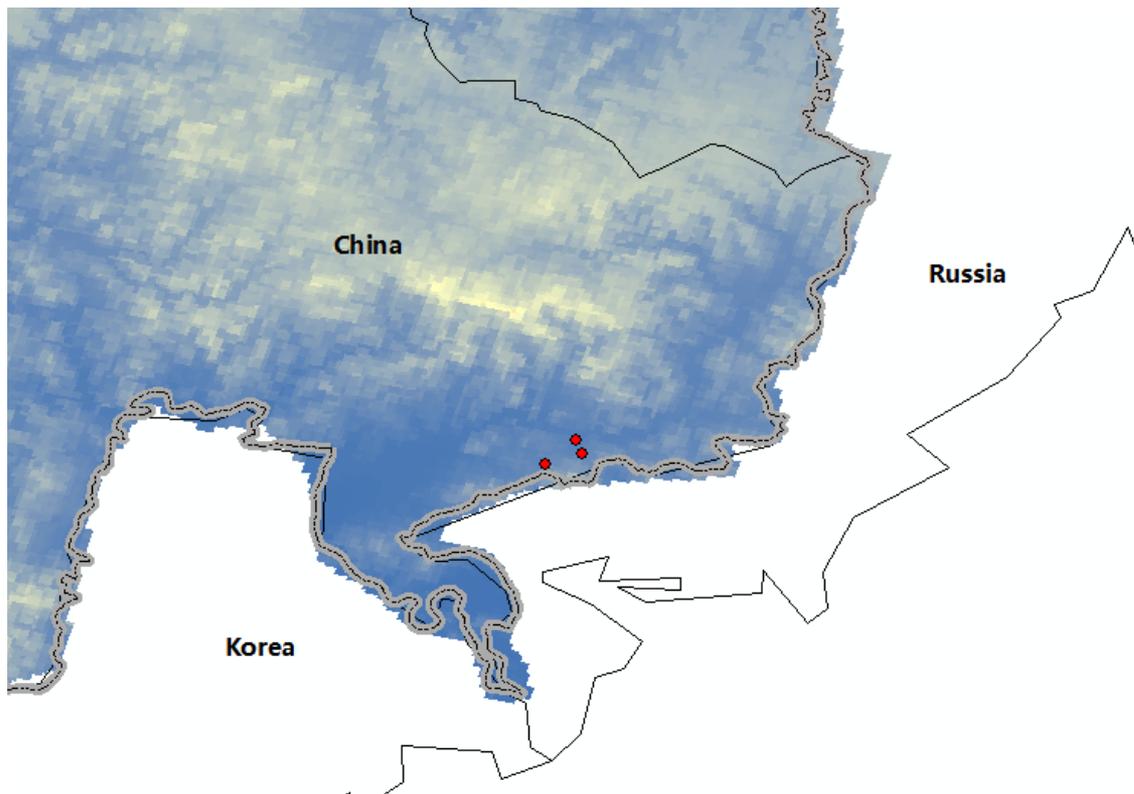
2. Results of individual identification

Female 16

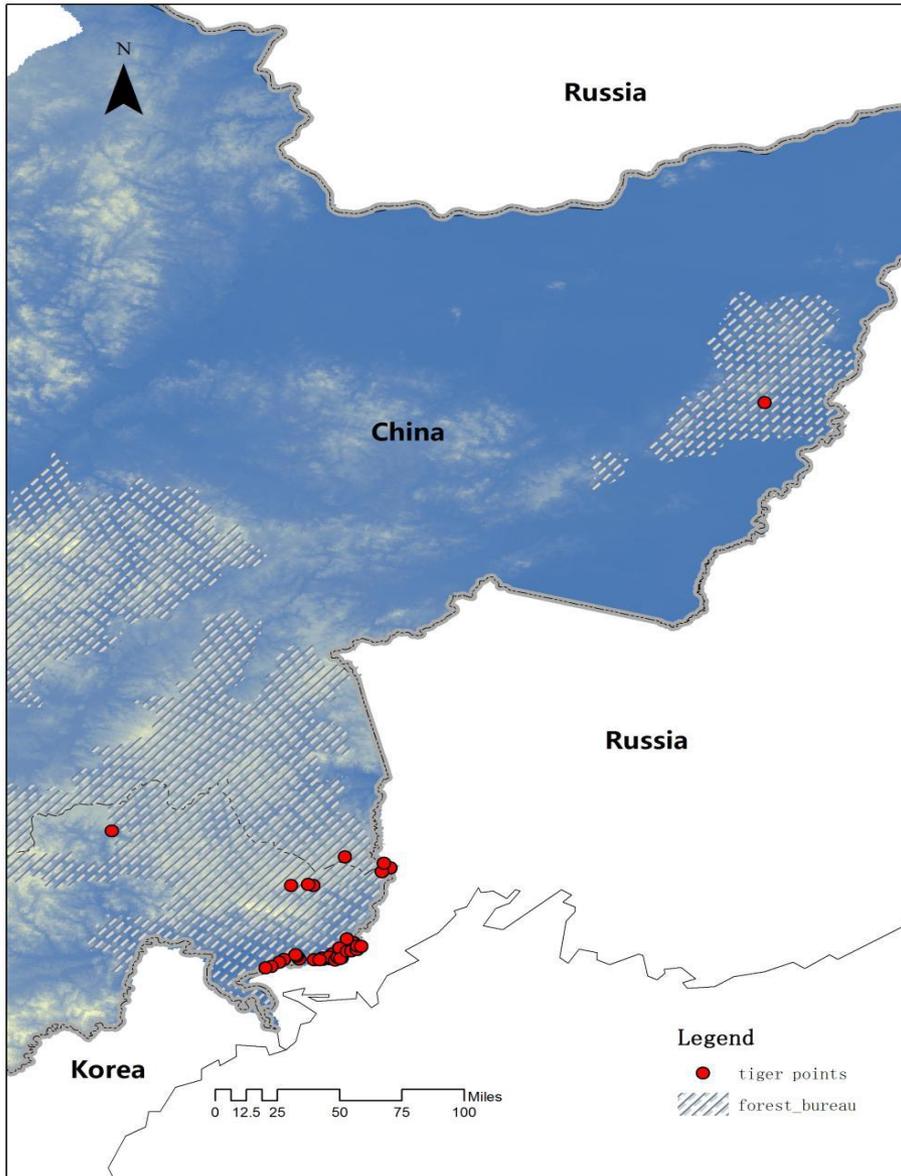


2. Results of individual identification

Female 17



2. Results of individual identification



358 photos or videos

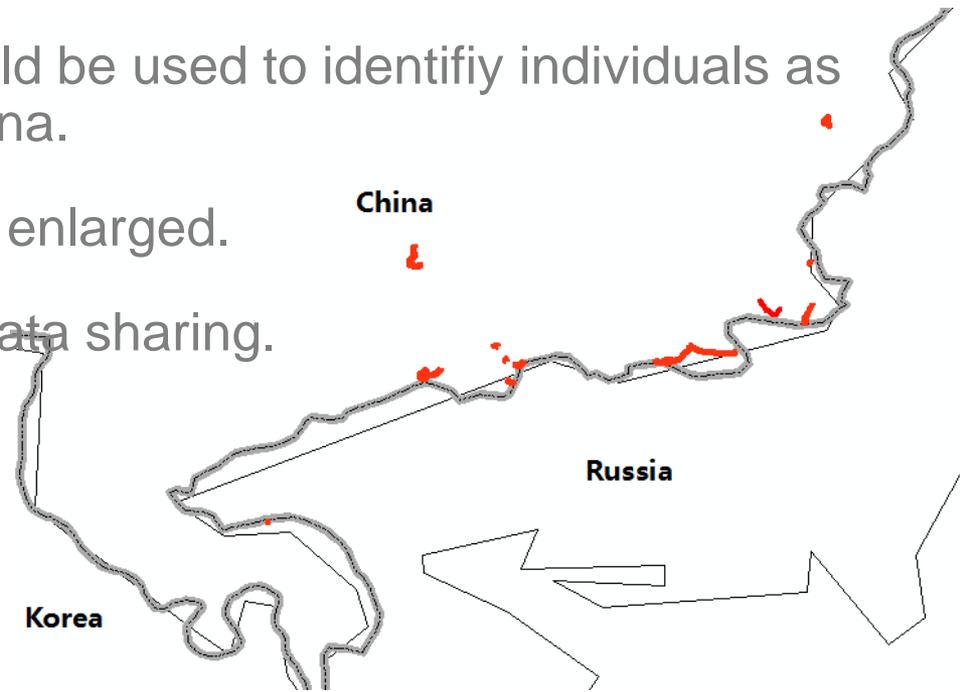
21 individuals

3 tiger families



3. Summary

- 358 photos or videos of amur were caught and 21 individuals (8 females) were identified. Images of 3 female individual with cubs were caught.
- Most Amur tiger in China is living near the border, but we got the image of Male 10 in the place 270km away from the border.
- Other monitoring methods should be used to identify individuals as assistance for Amur tiger in China.
- Camer-trapping area should be enlarged.
- Sino-Russia Cooperation and data sharing.



Thanks for your time !

Mathilde VOISINE
PHOTO

